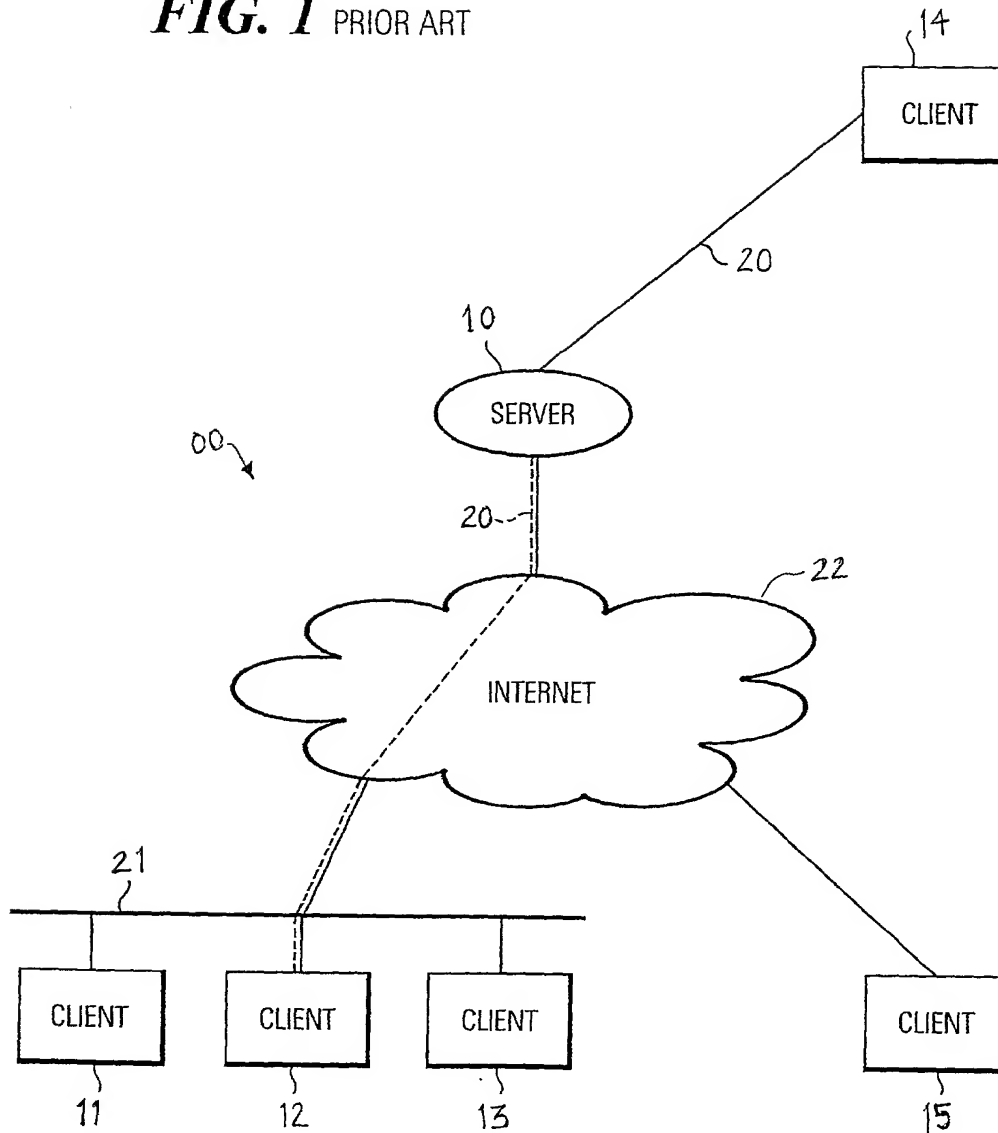


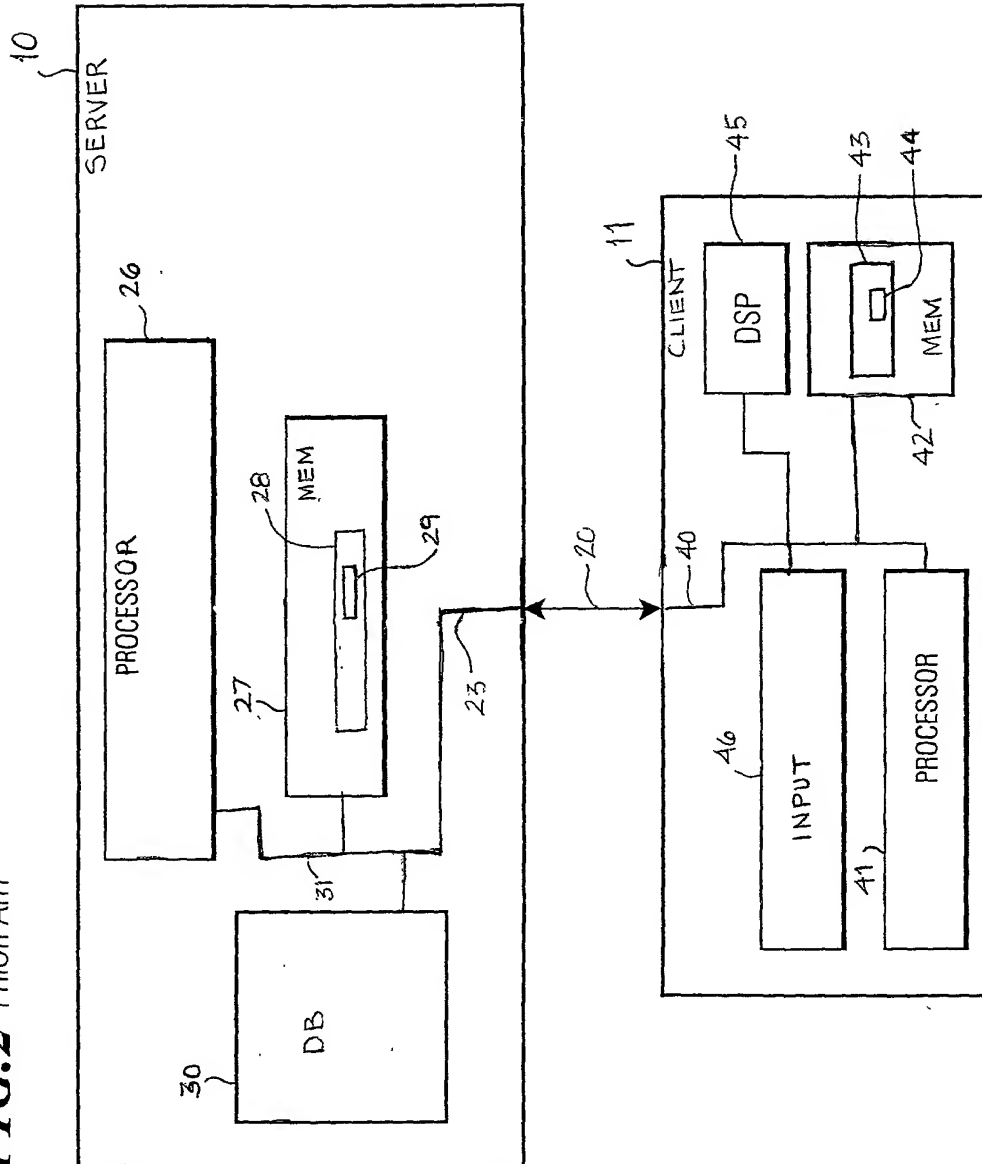
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**FIG. 1** PRIOR ART



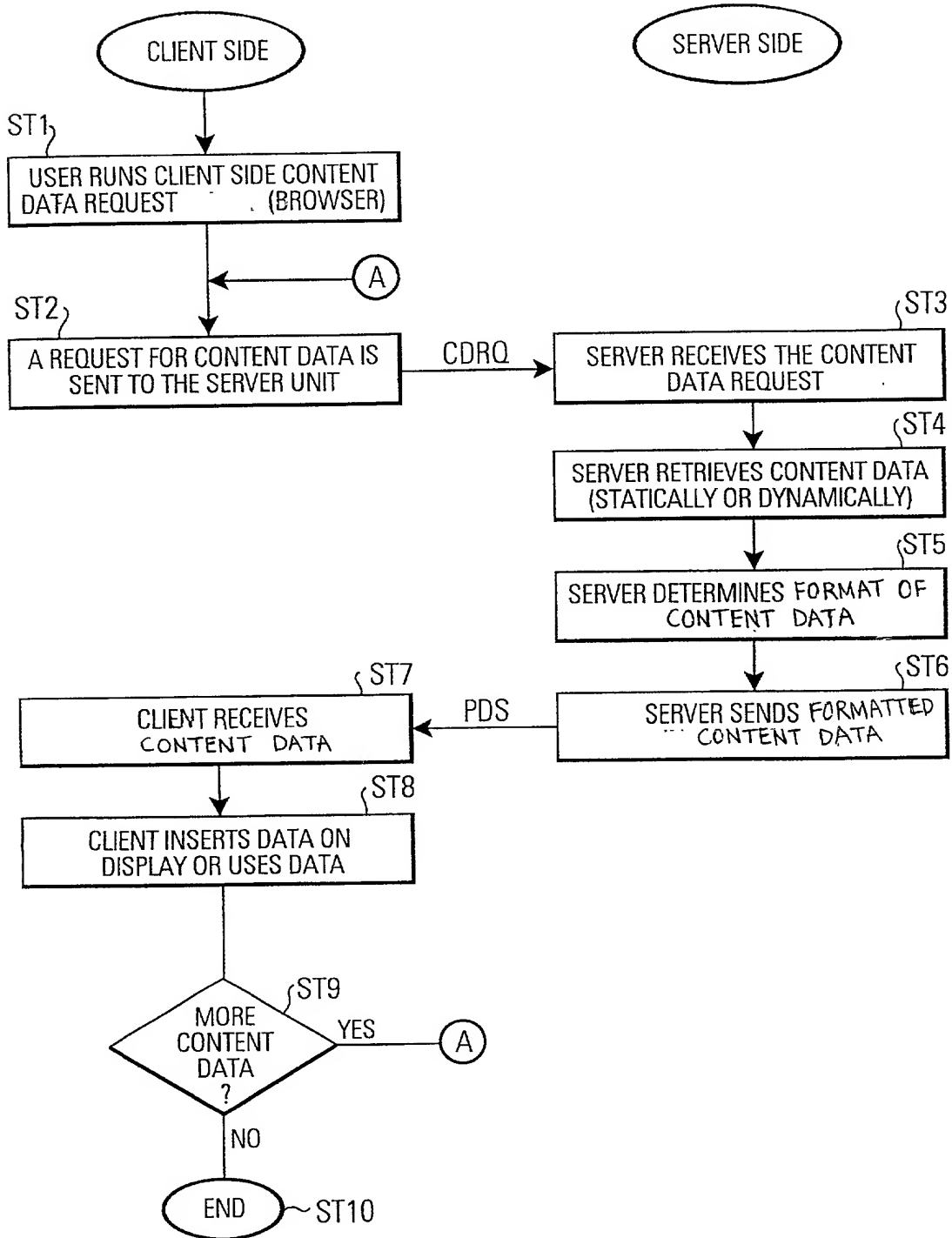
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FIG.2 PRIOR ART



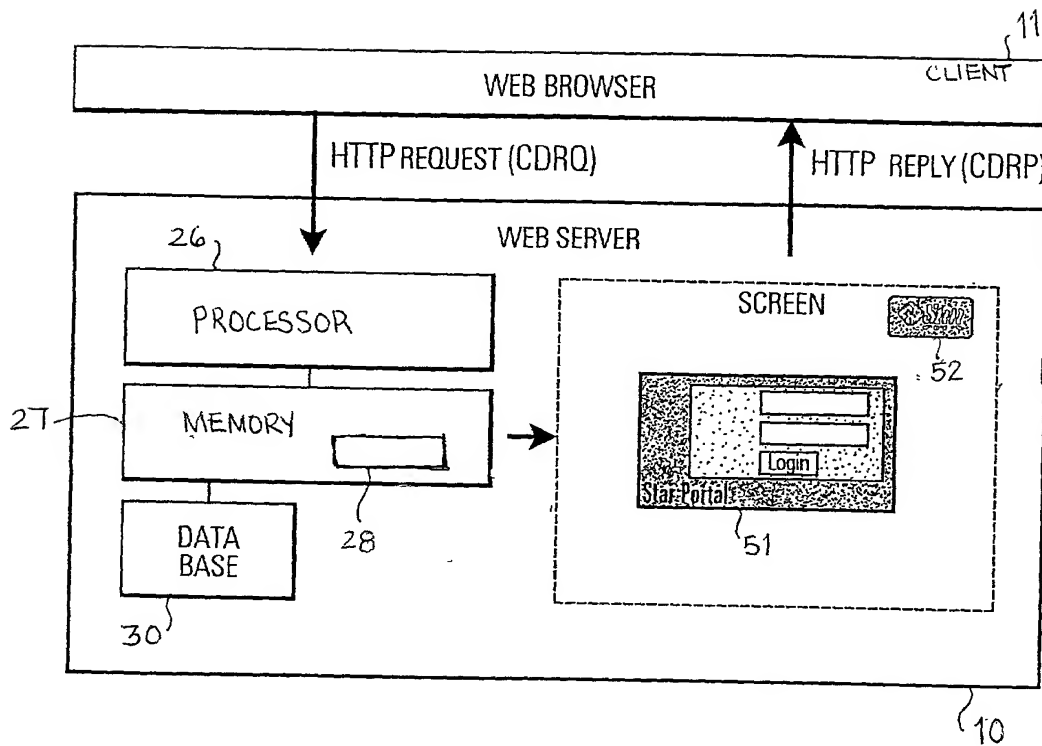
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**FIG.3** PRIOR ART



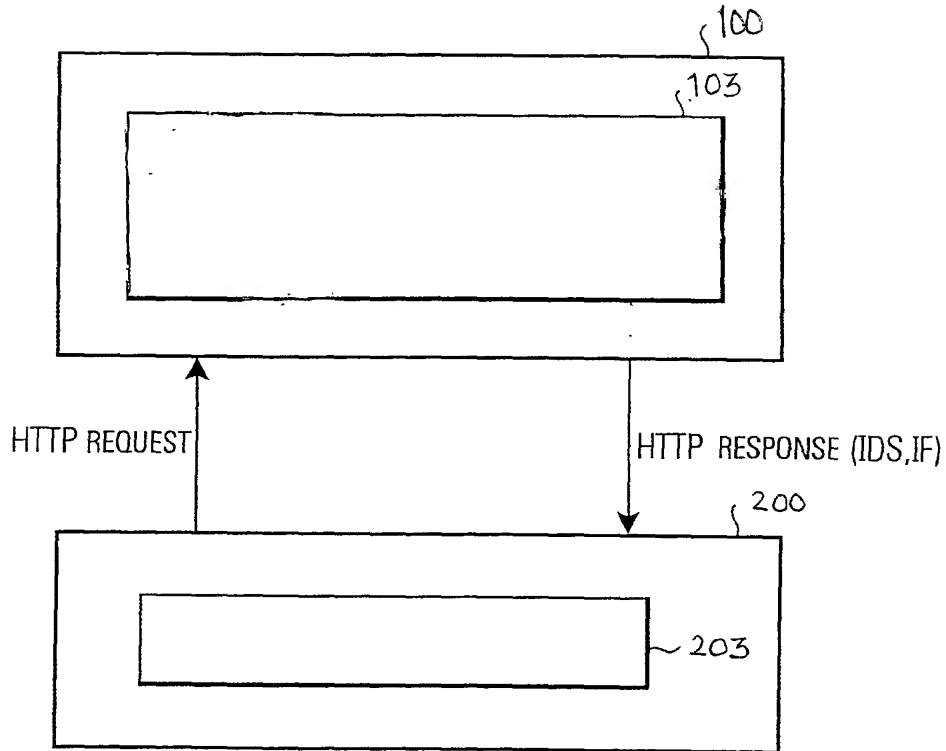
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**FIG. 4** PRIOR ART

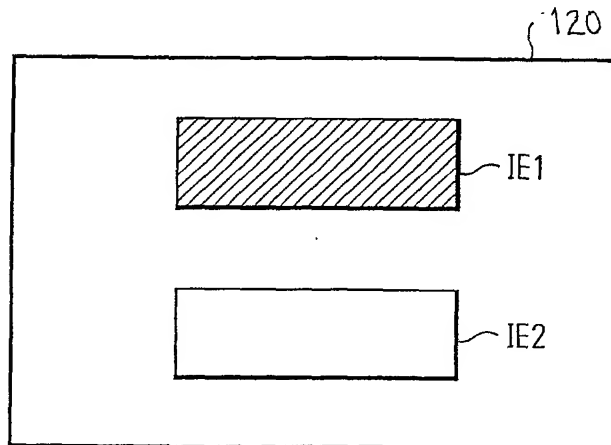


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**FIG. 5a**

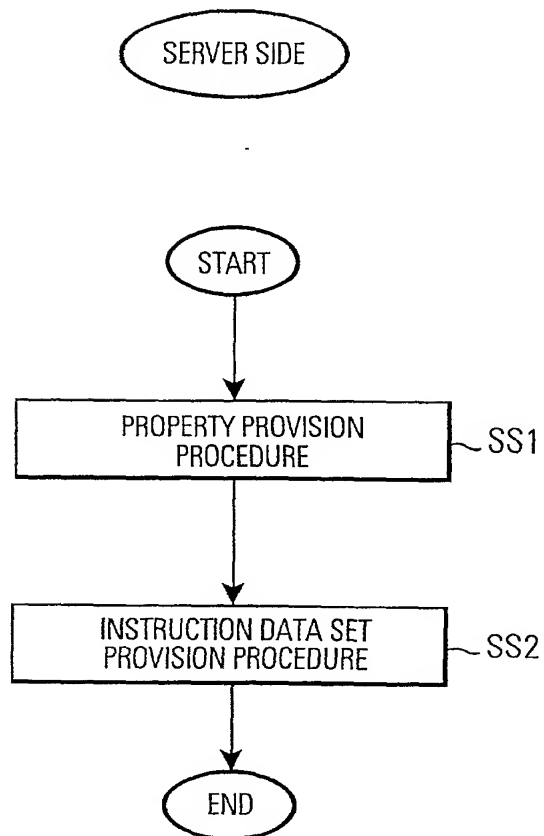


**FIG. 5c**

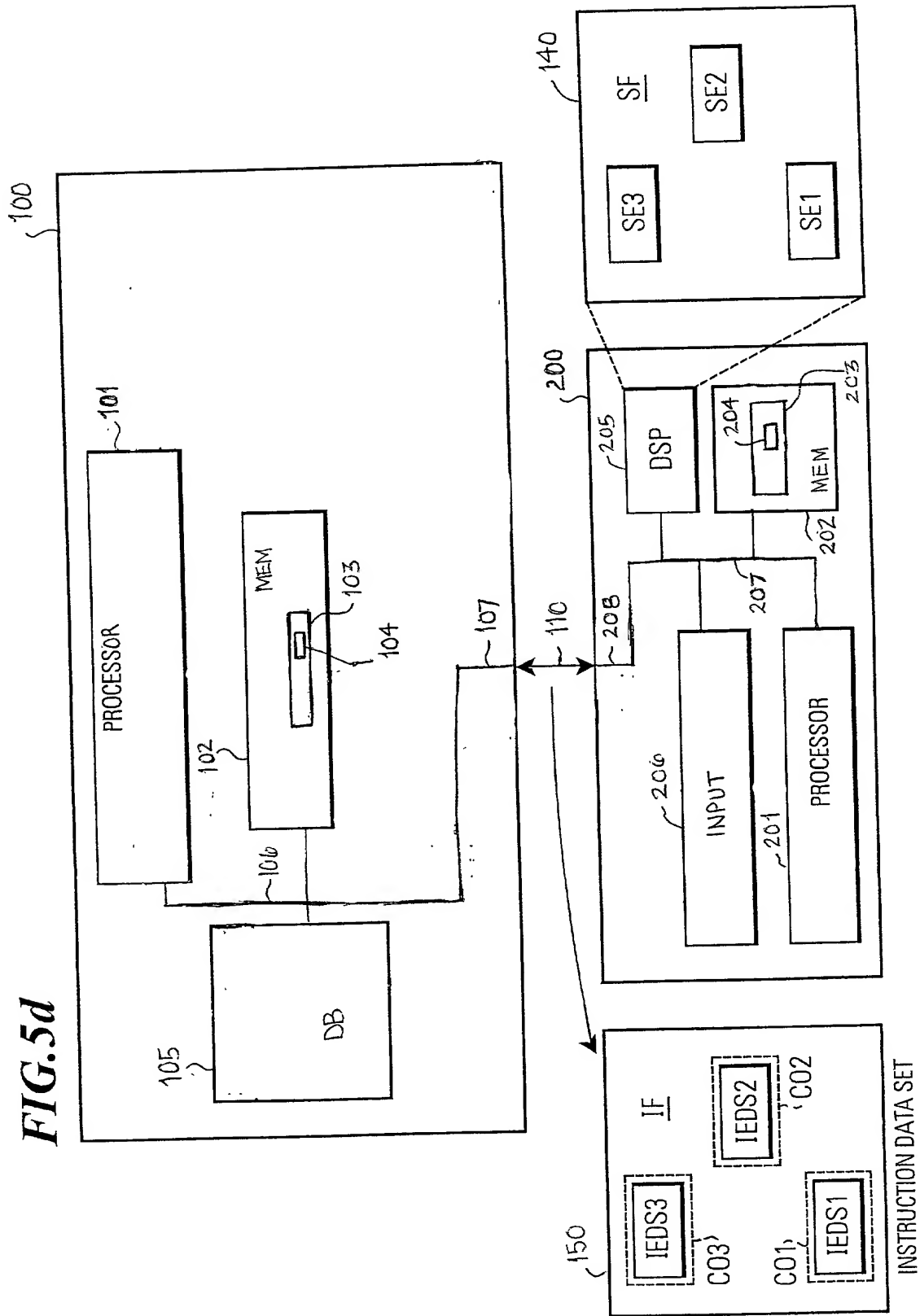


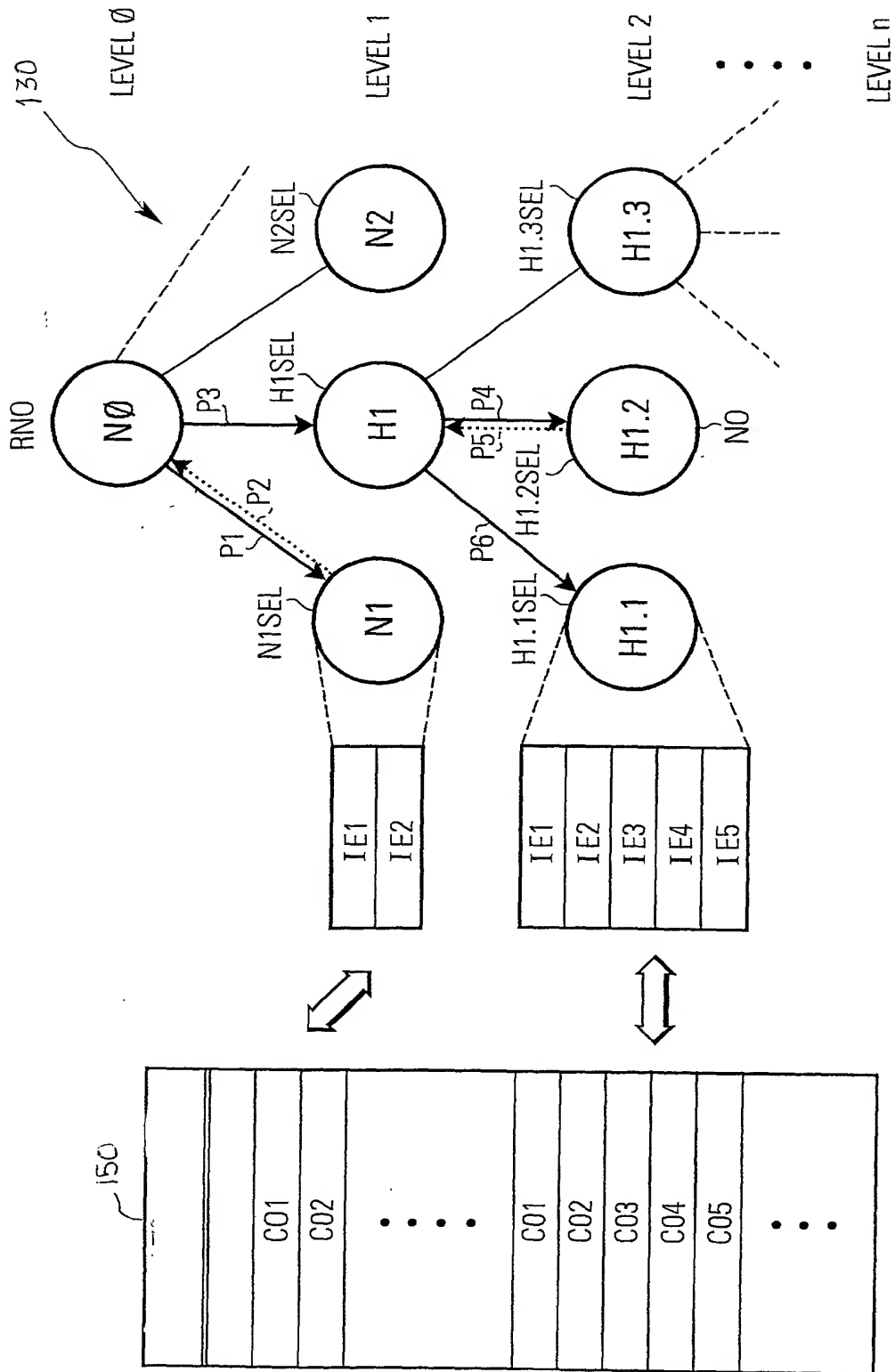
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**FIG. 5b**



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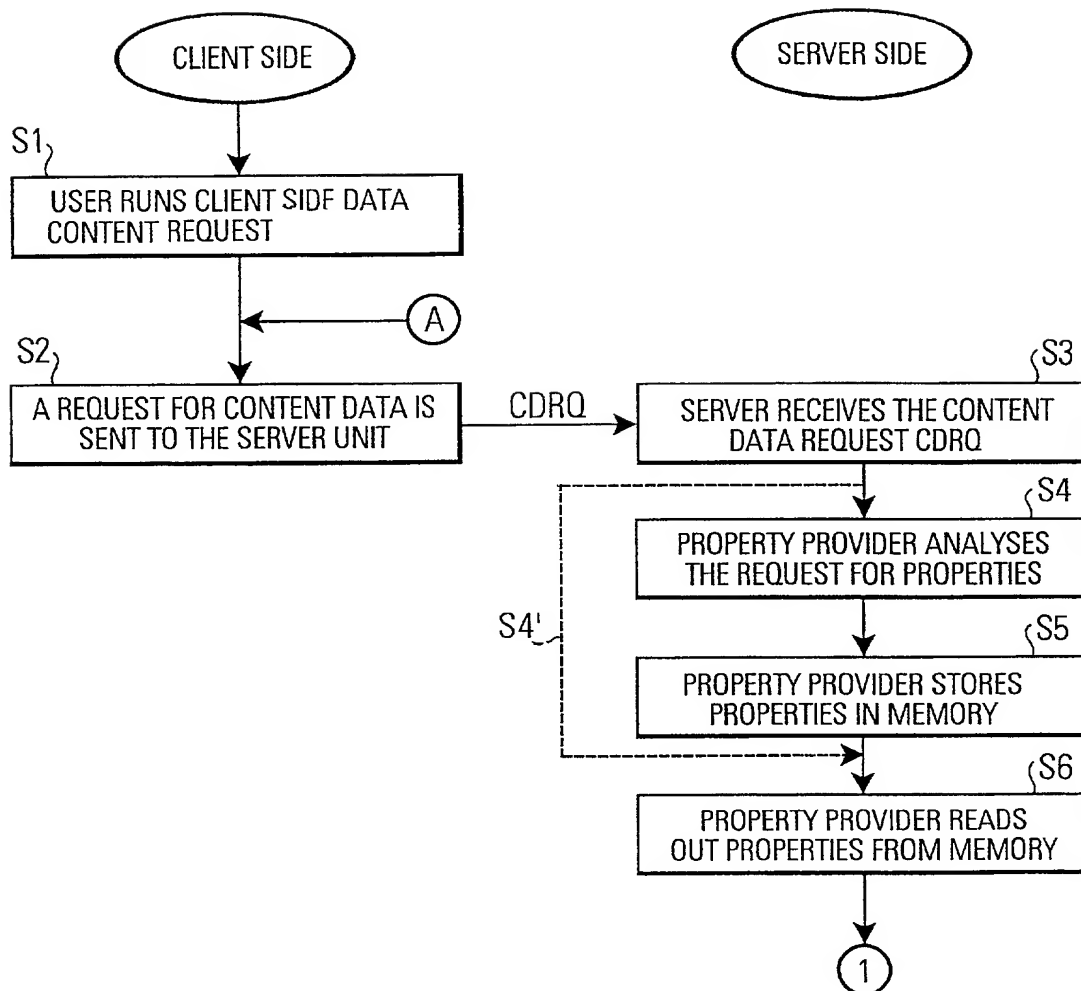






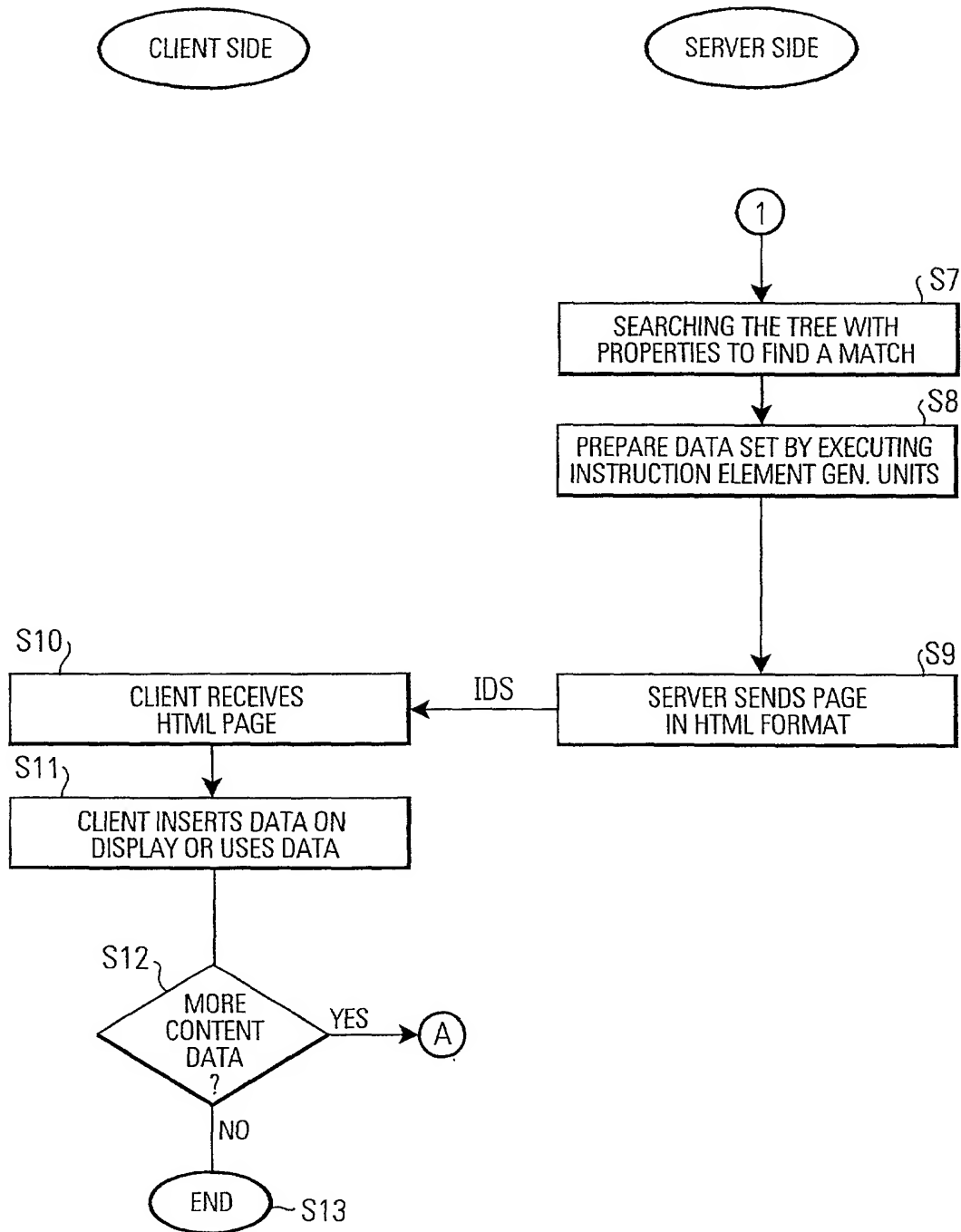
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**FIG. 7a**

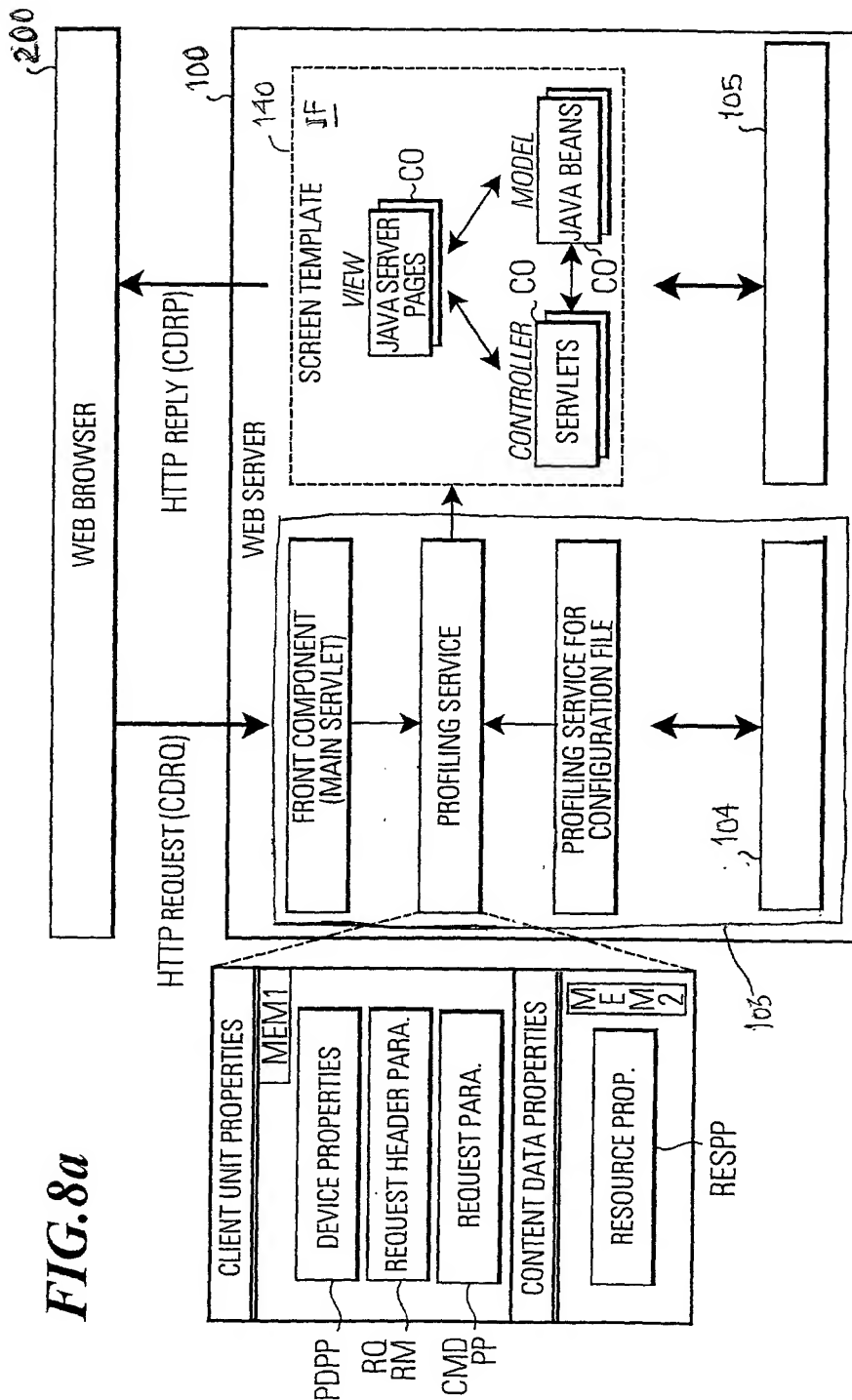


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**FIG. 7b**

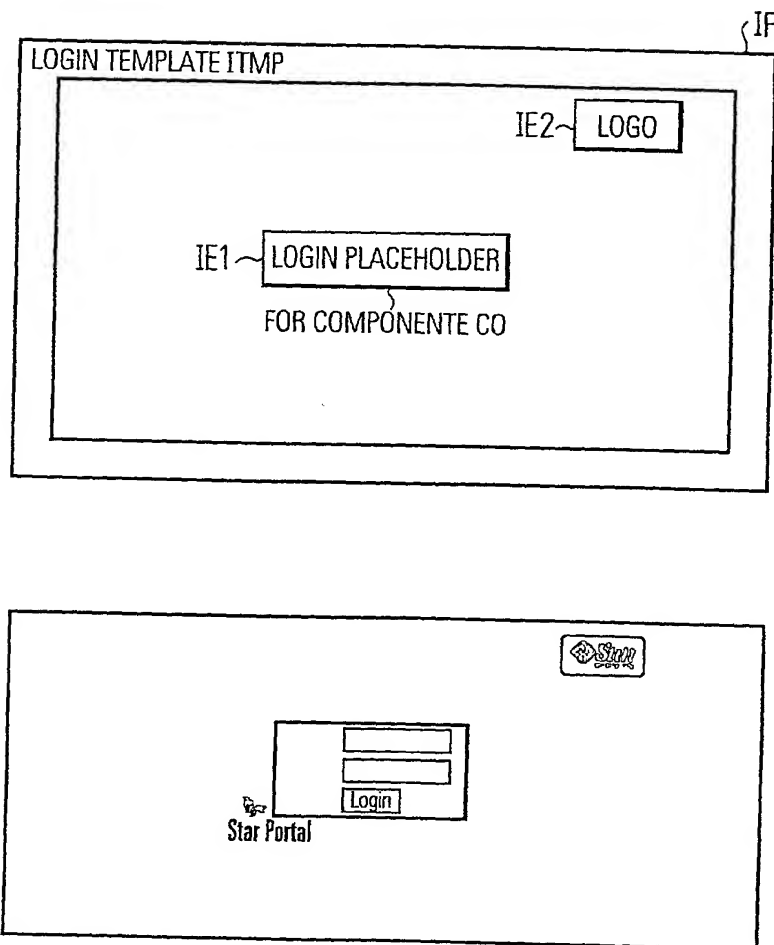


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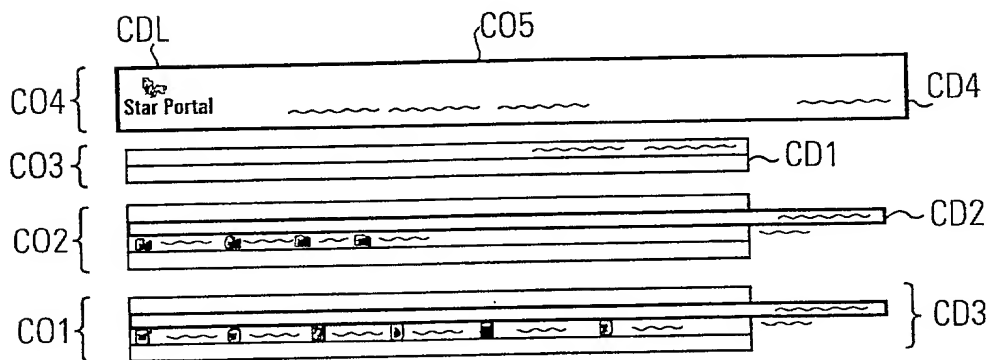
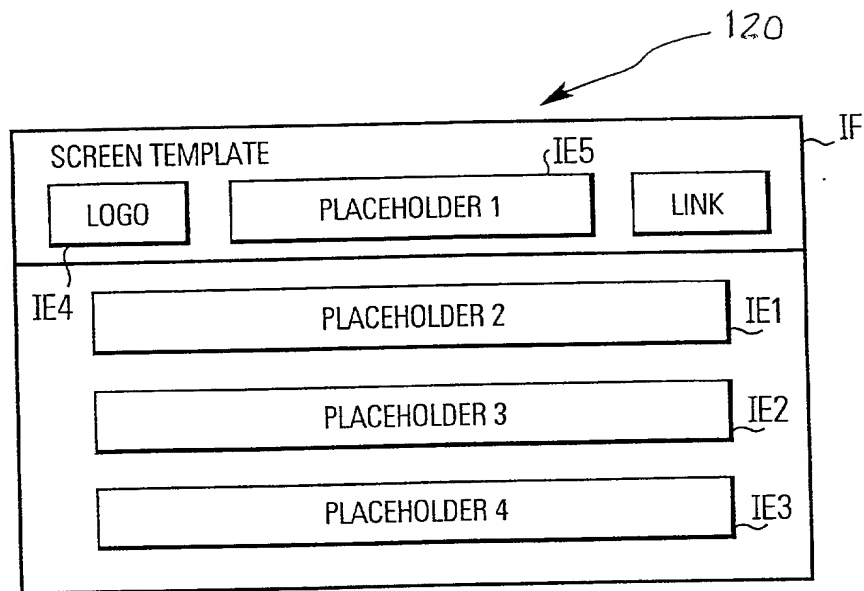
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**FIG. 8b**

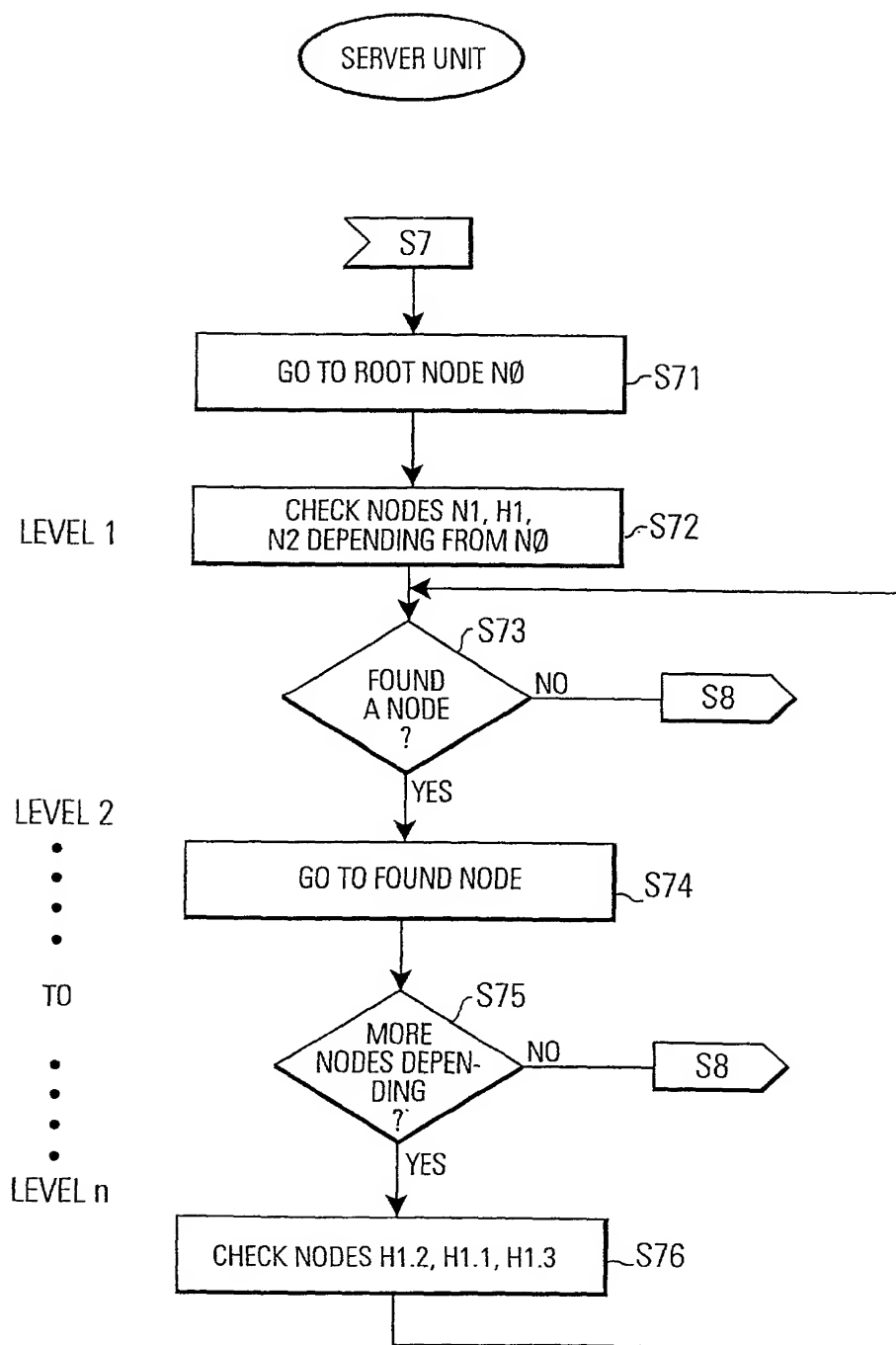


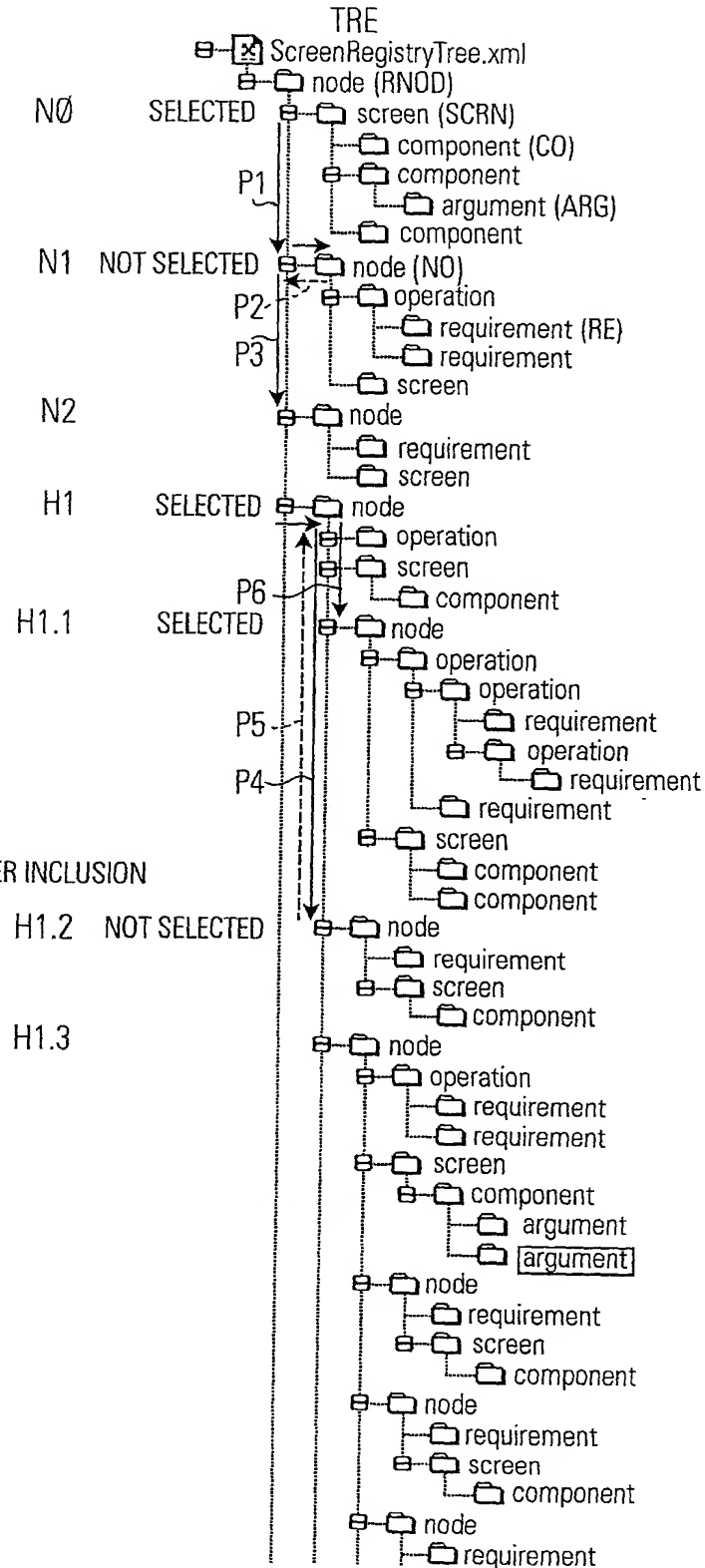
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**FIG. 8c**



**FIG. 9**





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## FIG.10b

xml file for main nodes

MAIN

```

<?xml version="1.0" encoding="ISO-8859-1"? >
<!-- screen definitions -->
- <node>
  <!-- default screen -->
  - <screen template="/html/HTMLTemplate.jsp" class="default">
N0   <component name="Title" value="www.mydomain.com" direct="true"/>
      - <component name="Background" value="/html/HTMLBackground.jsp"/>
          <argument name="picture" value="$BACKGROUND_PICTURE"/>
        </component>
        <component name="Error" value="/html/HTMLError.jsp"/>
      </screen>
      <!-- execute login -->
      - <node>
        - <operation type="and">
          <requirement type="requestParameter" name="cmd"
N1     value="execute_login"/>
          <requirement type="executionEnvironment" name="loginBean"
            value="null"/>
        </operation>
        <screen template="/portal/login" class="login"/>
      </node>
      <!-- logout -->
      - <node>
        <requirement type="requestParameter" name="cmd" value="logout"/>
N2     <screen template="/portal/logout" class="logout"/>
      </node>
      <!-- include screen definition files for different devices supported
      -->
      <include file="etc/screenregistries/portal/ScreenRegistry_wml.xml" />
      <include file="etc/screenregistries/portal/ScreenRegistry_pqa.xml" />
      <include file="etc/screenregistries/portal/ScreenRegistry_xul.xml" />
      <include file="etc/screenregistries/portal/ScreenRegistry_html.xml" />
    </node>

```

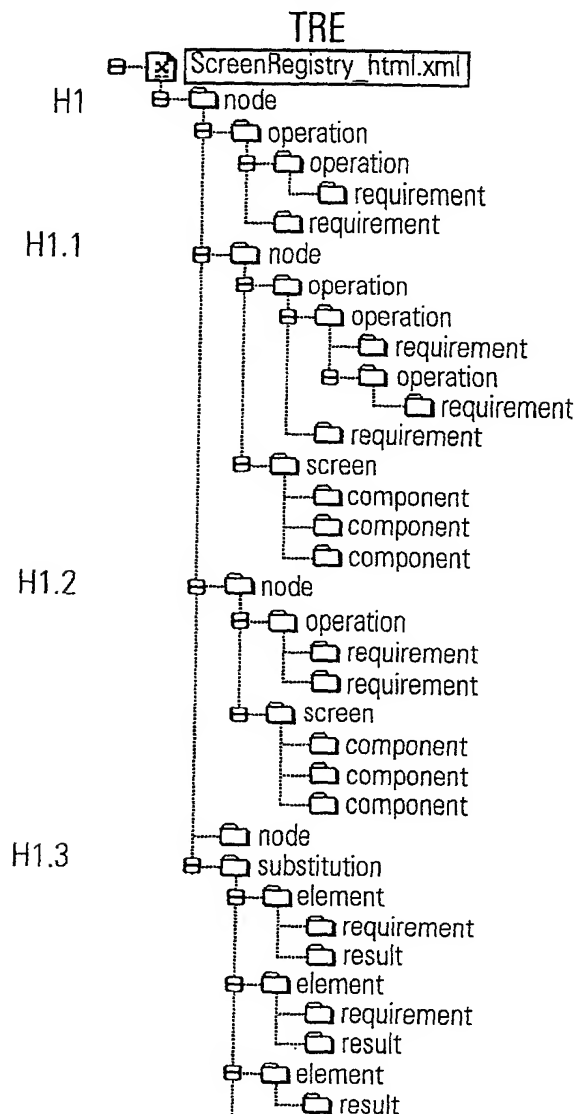
103221 26422001



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# FIG. 10c

TREE VIEW FOR SOME HTML NODES OF THE SCREEN REGISTRY



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**FIG.10d** xml file of HTML nodes

HTML

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!-- Screen definitions for standard HTML devices ( MSIE,Netscape, ...)
-->
<node>
- <operation type="or">
- <operation type="not">
H1   <requirement type="ccpp" name="Browser.CCPPAccept.text/html"
      value="null"/>
      </operation>
      <requirement type="requestHeaderParameter" name="user-agent"
      value="Mozilla"/>
    </operation>
    <!-- login page -->
H1.1 - <node>
      - <operation type="or">
      - <operation type="and">
          <requirement type="executionEnvironment" name="loginBean"
          value="null"/>
          <operation type="not">
              <requirement type="requestParameter" name="cmd"
              value="execute_login"/>
          </operation>
      </operation>
      <requirement type="requestParameter" name="page" value="login"/>
    </operation>
    - <screen ID="Login.Screen" template="/html/HTMLLoginTemplate.jsp"
      class="default">
      <component name="Title" value="HTMLLogin.title" direct="true"
      base="com.sun.star.portal.web.jsp.html"/>
      <component name="CurrentContent" value="/html/HTMLLogin.jsp"/>
      <component name="Error" value="/html/HTMLError.jsp"/>
    </screen>
    </node>
    <!-- welcome page -->
H1.2 - <node>
      - <operation type="or">
          <requirement type="executionEnvironment"
          name="UniversalContentBrokerContent" value="null"/>
          <requirement type="resourceProperty" name="PresentationURL"
          value="staroffice.private:factory/desktop"/>
      </operation>
      - <screen ID="Welcome.Screen" class="default">
          <component name="Title" value="HTMLWelcome.title" direct="true"
          base="com.sun.star.portal.web.jsp.html"/>
          <component name="Shortcuts" value="/html/HTMLShortcuts.jsp"/>
          <component name="CurrentContent"
          value="/html/HTMLWelcome.jsp"/>
      </screen>
    </node>
H1.3 - <node>
    <!-- more HTML nodes ... -->
    </node>
    - <substitution name="$BACKGROUND_PICTURE">
      - <element>
          <requirement type="userInformation" name="gender" value="f"/>
          <result value="HTMLWomensBackground.gif"/>
      </element>
    </substitution>
  </node>
</node>
```

file: /V:\pat\ScreenRegistry\_html.xml

## FIG.10e

HTML

```
<element>
- <element>
  <<requirement type="userinfo" name="gender" value="m"/>
  <result value="HTMLMensBackground.gif"/>
  <element>
- <element>
  <result value="HTMLdefaultBackground.gif"/>
  </element>
</substitution>
</node>
<!-- End standard HTML description -->

file: //V:\pat\ScreenRegistry_html.xml
```



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WML

xml FILE OF WML NODES

**FIG.10g**

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!-- Screen definitions for WAP (WML) devices -->
- <node>
- < operation type="or">
- < operation type="not">
- < requirement type="ccpp"
  name="Browser.CCPPAccept.text/vnd.wap.wml" value="null">
- </operation>
- < requirement type="requestHeaderParameter" name="user-agent"
  value="Wapalizer*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="Nokia*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="R380*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="ERKO UP/4.0.10*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="ALAV UP/4.0.10*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="SPO1 UP/4.0.10*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="T250 UP/4.0.10*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="IM1K UP/4.0.10*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="MOT-CB/0.0.18 UP/4.0.10*" />
- < requirement type="requestHeaderParameter" name="user-agent"
  value="SH UP/4.0.10*" />
- </operation>
- < screen template="/wml/WMLTemplate.jsp" class="wml">
- < component name="Error" value="/wml/WMLError.jsp"/>
- </screen>
- <!-- login page -->
- <node>
- < operation type="or">
- < operation type="and">
- < requirement type="executionEnvironment" name="loginBean"
  value="null"/>
- < operation type="not">
- < requirement type="requestParameter" name="cmd"
  value="execute_login"/>
- </operation>
- </operation>
- < requirement type="requestParameter" name="page" value="login"/>
- </operation>
- < screen template="/wml/WMLLoginTemplate.jsp" class="login">
- < component name="Deck_1" value="/wml/WMLLogin.jsp"/>
- < component name="Error" value="/wml/WMLError.jsp"/>
- </screen>
- </node>
- <!-- welcome page -->
- <node>
- < requirement type="executionEnvironment"
  name="UniversalContentBrokerContent" value="null"/>
- < screen class="wml">
- < component name="Deck_1" value="wml/WMLWelcome.jsp"/>
```

file: //V:\pat\ScreenRegistry\_wml.xml

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## FIG.10h

WML

```
</screen>
</node>
<!-- module explorer -->
- <node>
- <operation type="or">
  <requirement type="resourceProperty" name="protocol"
    value="file:"/>
  <requirement type="resourceProperty" name="protocol"
    value="ftp:"/>
</operation>
- <screen class="wml">
- <component name="Deck_1" value="$WMLEXPLOLER">
  <argument name="explorertype" value="explorer"/>
  <argument name="title" value="WMLExplorer.documents"/>
</component>
</screen>
- <node>
  <requirement type="requestParameter" name="cmd"
    value="viewPage"/>
- <screen class="wml">
  <component name="Action" value="/portal/viewpage"/>
</screen>
</node>
- <node>
  <requirement type="requestParameter" name="cmd"
    value="rename"/>
- <screen class="wml">
  <component name="Deck_1" value="WMLRename.jsp"/>
</screen>
</node>
- <node>
  <requirement type="requestParameter" name="cmd" value="delete"/>
- <screen class="wml">
  <component name="Action" value="/portal/delete"/>
</screen>
</node>
- <node>
  <requirement type="requestParameter" name="cmd"
    value="execute_mail"/>
- <screen class="wml">
  <component name="Action" value="/portal/mail"/>
  - <component name="Deck_1" value="$WMLEXPLOLER">
    <argument name="explorertype" value="explorer"/>
    <argument name="title" value="WMLExplorer.documents"/>
  </component>
  <component name="Error"
    value="/wml/WMLMailSendError.jsp"/>
</screen>
</node>
- <node>
  <requirement type="requestParameter" name="cmd"
    value="execute_new_folder"/>
- <screen class="wml">
  <component name="Action" value="/portal/newFolder"/>
</screen>
</node>
- <node>
```

file: //V:\pat\ScreenRegistry wml.xml

## FIG. 10i

WML

```
<requirement type="requestParameter" name="submodule" />
  value="menu"/>
- <screen template="/wml/WMLTemplate.jsp" class="contextmenu">
  <component name="Deck_1" value="/wml/WMLCommands.jsp"/>
</screen>
</node>
<node>
- <node>
  <!-- more WML nodes ... -->
</node>
- <substitution name="$WMLEXPLORER" >
  - <element>
    <requirement type="requestParameter" name="viewTypeExplorer"
      value="fileview" />
    <result value="/wml/WMLFileView.jsp"/>
  </element>
  - <element>
    <result value="/wml/WMLFolderView.jsp" />
  </element>
</substitution>
</node>
<!-- End WAP (WML) description -->
```

file: //V:\pat\ScreenRegistry\_wml.xml